AUTHOR INDEX

Volume 16, 1973

AMATO, IGNAZIO, and MARTINENGO, PIER CARLO, Some Improvements in Solid Lubricants Coatings for High Temperature Operations 42

ANDERSSON, B., On the Influence of the Contact Pattern on the Sealing Capacity and the Power Loss of Hydrodynamic Lip Seals 252

ARONSTEIN, J., (see Campbell-Aronstein)

ASTRATOVA, N. M., (see Zaslavsky-Gorbach-Zhukov-Frunza-Astratova)

B

BAIG, A. R., (see Quinn-Baig-Hogarth-Müller)

BAILEY, M. W., and CAMERON, ALASTAIR, The Effects of Temperature and Metal Pairs on Scuffing 121

BARTON, D. B., KLAUS, E. E., TEWKSBURY, E. J., and STRANG, J. R., Preferential Adsorption in the Lubrication Process of Zinc Dialkyldithiophosphate 161

BAUERLE, J. G., and FOGIEL, A. W., The Effects of Environment on Performance of Fluoroelastomers in Seal Applications 281

BILL, R. C., Study of Fretting Wear in Titanium, Monel-400, and Cobalt 25 Percent Molybdenum Using Scanning Electron Microscopy 286

BJERK, ROGER O., Oxygen—An "Extreme-Pressure Agent" 97

BOYCE, M. P., and DESAI, A. R. A Theoretical Analysis of Non-Isentropic Flow of a Compressible Viscous Gas in Narrow Passages 132

BROOKS, FREDERICK C., Hydrolysis of a Disiloxane/Ester Fluid in a Simulated Hydraulic System at 275 F 168

BUCHTER, H. H., Fundamental Principles for Static Sealing with Metals in the High Pressure Field 304

BUYANOVSKY, I. A., (see Matveevsky-Markov-Buyanovsky)

C

CAMERON, ALASTAIR, (see Bailey-Cameron)

CAMERON, ALASTAIR, (see MacPherson-Cameron)

CAMERON, ALASTAIR, (see Sharma-Cameron)

CAMPBELL, WILFRED E., and ARONSTEIN, J., Friction at Small Displacement 223

CLEGG, M. A., (see Huppmann-Clegg)

D

DAYSON, CLIVE, Flexible Stepped Thrust Bearings 32

DEGEE, A. W. J., VAESSEN, G. H. G., Boundary Lubrication of Bronzes—Engineering Aspects 208

DEGEE, A. W. J., (see Vaessen-DeGee)

DEPIERRE, V., (see Male-DePierre-Saul)

DESAI, A. R., (see Boyce-Desai)

DORINSON, A., The Additive Action of Some Organic Chlorides and Sulfides in the Four-Ball Lubricant Test 22

F

FIELD, G. J., and NAU, B. S., Interseal Pressure Between Tandem Reciprocating Rubber Seals with Back-Up Rings 10

FOGIEL, A. W., (see Bauerle-Fogiel)

FORBES, E. S., and REID, A. J. D., Liquid Phase Adsorption/Reaction Studies of Organo-Sulfur Compounds and Load-Carrying Mechanism 50

FRUNZA, V. I., (see Zaslavsky-Gorbach - Zhukov - Frunza - Astratova)

FUSARO, ROBERT L., and SLINEY, HAROLD E., Lubricating Characteristics of Polyimide Bonded Graphite Fluoride and Polyimide Thin Films 189

G

GILTROW, J. P., The Influence of Temperature on the Wear of Carbon Fiber Reinforced Resins 83

GISSER, HENRY and PETRONIO, MARCO, Friction of Poly (n-Alkyl Methacrylates) 197

GOLDBLATT, IRWIN L., Surface Fatigue Initiated by Fatty Acids 150

GORBACH, V. A., (see Zaslavsky-Gorbach-Zhukov-Frunza-Astratova)

H

HALL, J. M., and RAVNER, H., Amine Phosphates as Antiwear Additives in Neopentyl Polyol Esters 291

HOGARTH, C. A., (see Quinn-Baig-Hogarth-Müller)

HUPPMANN, W. J., and CLEGG, M. A., The Tribological Behavior of Polycrystalline Cobalt as Related to Crystallographic Texture and Structure 107

J

JEMMETT, ALAN E., Factors Affecting the Growth of Siloxane Films on Metal Substrates 233

AUTHOR INDEX

Volume 16, 1973

AMATO, IGNAZIO, and MARTINENGO, PIER CARLO, Some Improvements in Solid Lubricants Coatings for High Temperature Operations 42

ANDERSSON, B., On the Influence of the Contact Pattern on the Sealing Capacity and the Power Loss of Hydrodynamic Lip Seals 252

ARONSTEIN, J., (see Campbell-Aronstein)

ASTRATOVA, N. M., (see Zaslavsky-Gorbach-Zhukov-Frunza-Astratova)

B

BAIG, A. R., (see Quinn-Baig-Hogarth-Müller)

BAILEY, M. W., and CAMERON, ALASTAIR, The Effects of Temperature and Metal Pairs on Scuffing 121

BARTON, D. B., KLAUS, E. E., TEWKSBURY, E. J., and STRANG, J. R., Preferential Adsorption in the Lubrication Process of Zinc Dialkyldithiophosphate 161

BAUERLE, J. G., and FOGIEL, A. W., The Effects of Environment on Performance of Fluoroelastomers in Seal Applications 281

BILL, R. C., Study of Fretting Wear in Titanium, Monel-400, and Cobalt 25 Percent Molybdenum Using Scanning Electron Microscopy 286

BJERK, ROGER O., Oxygen—An "Extreme-Pressure Agent" 97

BOYCE, M. P., and DESAI, A. R. A Theoretical Analysis of Non-Isentropic Flow of a Compressible Viscous Gas in Narrow Passages 132

BROOKS, FREDERICK C., Hydrolysis of a Disiloxane/Ester Fluid in a Simulated Hydraulic System at 275 F 168

BUCHTER, H. H., Fundamental Principles for Static Sealing with Metals in the High Pressure Field 304

BUYANOVSKY, I. A., (see Matveevsky-Markov-Buyanovsky)

C

CAMERON, ALASTAIR, (see Bailey-Cameron)

CAMERON, ALASTAIR, (see MacPherson-Cameron)

CAMERON, ALASTAIR, (see Sharma-Cameron)

CAMPBELL, WILFRED E., and ARONSTEIN, J., Friction at Small Displacement 223

CLEGG, M. A., (see Huppmann-Clegg)

D

DAYSON, CLIVE, Flexible Stepped Thrust Bearings 32

DEGEE, A. W. J., VAESSEN, G. H. G., Boundary Lubrication of Bronzes—Engineering Aspects 208

DEGEE, A. W. J., (see Vaessen-DeGee)

DEPIERRE, V., (see Male-DePierre-Saul)

DESAI, A. R., (see Boyce-Desai)

DORINSON, A., The Additive Action of Some Organic Chlorides and Sulfides in the Four-Ball Lubricant Test 22

F

FIELD, G. J., and NAU, B. S., Interseal Pressure Between Tandem Reciprocating Rubber Seals with Back-Up Rings 10

FOGIEL, A. W., (see Bauerle-Fogiel)

FORBES, E. S., and REID, A. J. D., Liquid Phase Adsorption/Reaction Studies of Organo-Sulfur Compounds and Load-Carrying Mechanism 50

FRUNZA, V. I., (see Zaslavsky-Gorbach - Zhukov - Frunza - Astratova)

FUSARO, ROBERT L., and SLINEY, HAROLD E., Lubricating Characteristics of Polyimide Bonded Graphite Fluoride and Polyimide Thin Films 189

G

GILTROW, J. P., The Influence of Temperature on the Wear of Carbon Fiber Reinforced Resins 83

GISSER, HENRY and PETRONIO, MARCO, Friction of Poly (n-Alkyl Methacrylates) 197

GOLDBLATT, IRWIN L., Surface Fatigue Initiated by Fatty Acids 150

GORBACH, V. A., (see Zaslavsky-Gorbach-Zhukov-Frunza-Astratova)

H

HALL, J. M., and RAVNER, H., Amine Phosphates as Antiwear Additives in Neopentyl Polyol Esters 291

HOGARTH, C. A., (see Quinn-Baig-Hogarth-Müller)

HUPPMANN, W. J., and CLEGG, M. A., The Tribological Behavior of Polycrystalline Cobalt as Related to Crystallographic Texture and Structure 107

J

JEMMETT, ALAN E., Factors Affecting the Growth of Siloxane Films on Metal Substrates 233

KELLER, JR., D. V., (see Vedamanikam-Keller, Jr.)
KINGSBURY, E., Cross Flow in a Starved EHD Contact 276
KLAUS, E. E., (see Barton-Klaus-Tewksbury-Strang)

L

LOZOVOY, A., (see Sanin-Lozovoy-Shepeleva)

M

MACKENZIE, D. A., (see Miller-Mackenzie)
MACPHERSON, P. B., and CAMERON, ALASTAIR, Fatigue Scoring: A New Form of Lubricant Failure 68
MALANOSKI, S. B., and WALDRON, W., Experimental Investigation of Air Bearings for Gas Turbine Engines 297
MALE, ALAN T., DEPIERRE, V., and SAUL, GEORGE, Relative Validity of Concepts of Coefficient of Friction and Interface Friction Shear Factor 177
MARKOV, A. A., (see Matveevsky-Markov-Buyanovsky)
MARTINENGO, PIER CARLO, (see Amato-Martinengo)
MATVEEVSKY, R. M., MARKOV, A. A., and BUYANOVSKY, I. A., Correlation of Temperature Stability of Oil in Friction and Surface Energy of Adhesion of Oil to Metal 16
MILLER, B. J., and MACKENZIE, D. A., Lubrication of Sliding/Rolling Contacts Using a Disc Machine of Novel Design 245
MÜLLER, H., (see Quinn-Baig-Hogarth-Müller)

N

NAKAYAMA, KEIJI, (see Sakurai-Okabe-Nakayama)
NAU, B. S., (See Field-Nau)

O

OKABE, HEIHACHIRO, (See Sakurai-Okabe-Nakayama)

P

PETRONIO, MARCO, (See Gisser-Petronio)

Q

QUINN, T. F. J., BAIG, A. R., HOGARTH, C. A., and MÜLLER, H., Transitions in the Friction Coefficients, the Wear Rates, and the Compositions of the Wear Debris Produced in the Unlubricated Sliding of Chromium Steels 239

R

RAVNER, H., (see Hall-Ravner)
REID, A. J. D., (see Forbes-Reid)
ROUNDS, FRED G., Effect of Aromatic Hydrocarbons on Friction and Surface Coating Formation with Three Additives 141
ROZEANU, L., A Model for Seizure 115

S

SAKURAI, TOSHIO, OKABE, HEIHACHIRO, and NAKAYAMA, KEIJI, The Mechanism of Adhesive Wear of Copper Under Boundary Lubrication 91
SAMOS, ANTHONY C., Analysis of Shrouded Rayleigh Step Pad for Incompressible Fluid Film with Centrifugal Inertia Effect 1
SANIN, P. I., LOZOVOY, A., and E. S. SHEPELEVA, Investigation of Anti-Wear Additives Under Various Loads and at Different Sliding Speeds 185
SAUL, GEORGE, (see Male-DePierre-Saul)
SHARMA, J. P., and CAMERON, A., Surface Roughness and Load in Boundary Lubrication 258
SCHNURLE, F., and UPPER, G., Influence of Hydrodynamics on the Performance of Radial Lip Seals 310
SHEPELEVA, E. S., (See Sanin-Lozovoy-Shepeleva)
SLINEY, HAROLD E., (see Fusaro-Sliney)
STRANG, J. R., (see Barton-Klaus-Tewksbury-Strang)

T

TEWKSBURY, E. J., (see Barton-Klaus-Tewksbury-Strang)

U

UPPER, G., (see Schnurle-Upper)

V

VAESSEN, G. H. G., and DEGEE, A. W. J., Boundary Lubrication of Bronzes—Metallurgical Aspects 203
VAESSEN, G. H. G., (see DeGee-Vaessen)
VEDAMANIKAM, P. M., and KELLER, JR., D. V., Correlation Between Static Adhesion Data, Dynamic Friction Coefficients, for Cobalt Alloys, Iron Under Vacuum 73

W

WALDRON, W., (see Malanoski-Waldron)
WITTE, DWIGHT C., Operating Torque of Tapered Roller Bearings 61

Z

ZASLAVSKY, YU. S., GORBACH, V. A., ZHUKOV, N. A., FRUNZA, V. I., and ASTRATOVA, N. M., On the Methods of Dynamic Irradiation Tests for Evaluation of Radiation Stability of Lubricating Oils 216
ZHUKOV, N. A., (See Zaslavsky-Gorbach - Zhukov - Frunza-Astratova)
ZUK, J., Analysis of Face Deformation Effects as Gas Film Seal Performance 267